

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/05372

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N15/00, C07K16/44, C12N5/10, C12P21/08, C12Q1/02,
G01N33/50, G01N33/15, A61K39/395, A61P25/00, A61P37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N15/00, C07K16/44, C12N5/10, C12P21/08, C12Q1/02,
G01N33/50, G01N33/15, A61K39/395, A61P25/00, A61P37/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPI (DIALOG), BIOSIS (DIALOG), JSTPlus (JOIS), GenBank/EMBL/DDBJ/
GeneSeq, SwissProt/PIR/GeneSeq

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|---|
| X | WO 99/38008 A1 (Prolifaron, Inc.), 29 July, 1999 (29.07.99) | 1-25, 27-33 26, 34 |
| X | XIE M.H. et al., Direct demonstration of MuSK involvement in acetylcholine receptor clustering through identification of agonist ScFv. Nature Biotechnology 1997, Vol.15, pages 768 to 771 | 1-6, 8-18, 20-25, 27-33 7, 19, 26, 34 |
| Y | WO 98/50431 A2 (Genentech, Inc.), 12 November, 1998 (12.11.98), & EP 0979281 A1 & JP 2001-523971 A | 26, 34 |
| X | SCOTT W. et al., Activation of Chimeric and Full-length Growth Hormone Receptors by Growth Hormone Receptor Monoclonal Antibodies. J.Biol.Chem. 1998, Vol.273, pages 5307 to 5314 | 1-7, 26-31, 33 |

 Further documents are listed in the continuation of Box C. See patent family annex.

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| * Special categories of cited documents: | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier document but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
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| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
20 May, 2003 (20.05.03)Date of mailing of the international search report
03 June, 2003 (03.06.03),Name and mailing address of the ISA/
Japanese Patent Office

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